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## (54) ACRYLIC GEL MATERIAL AND ACRYLIC GEL PREPARATION

## (57)Abstract:

**PURPOSE:** To obtain an acrylic gel material having excellent balance of skin adhesiveness and skin irritation by forming a crosslinked gel layer containing an acrylic ester-based polymer and a little more amount of a liquid component having compatibility with the polymer than a common percutaneous preparation on one side of substrate.

**CONSTITUTION:** A crosslinked gel layer containing an acrylic ester-based polymer, preferably a copolymer of a (meth)acrylic ester containing  $\geq 4$ C alkyl group and a monomer shown by formula I and/or formula II (R is H or methyl; X is group containing at least one N or N and O) and a liquid component (e.g. glycols, fats and oils and organic solvent) having compatibility with the polymer in a weight ratio of the polymer to the liquid component of (1.0:0.25)–(1.0:2.0), especially (1.0:0.6)–(1.0:1.8) is formed at least one side of a substrate. 1–40wt%, preferably 3–30wt% drug is added to the gel layer to give an acrylic gel preparation for continuously administrating the drug through the skin to organisms.

CH<sub>2</sub>=CHXCH<sub>2</sub>=C(R)COOR

## LEGAL STATUS

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